Unfamiliar Faces

By Robert S. Radow

Upon looking around for our professors of previous years we discover that a few are missing. Among those absent is J. V. Otter, instructor in Engineering Drawing. Mr. Otter has been working as Engineer Inspector of P.W.A. work in Idaho.

He was granted his leave of absence at the close of last Fall Quarter. The expiration of his leave was with the opening of the present school year. Upon the receipt of an urgent request from the Federal Government, the period of his leave of absence was extended.

Mr. Otter has been in the Department of Engineering Drawing at Ohio State since 1929. He received the degree of Bachelor of Science in Civil Engineering and was connected with the Idaho State Highway Department before coming to Ohio State.

We find several of the alumni coming back to the campus, not as students but now in the capacity of faculty members. Mr. Otter has been replaced temporarily by Mr. Steven K. Stimson. Mr. Stimson graduated from Ohio State, receiving a M. E. and Master's degree. Previous to his present appointment he was employed by the Hobart Manufacturing Company as a designing engineer.

An addition to the staff of the Department of Engineering Drawing was needed because of the large freshman class. Mr. Gilbert Coddington was selected for this position. He also graduated from Ohio State, receiving a B. Arch. degree, and later was the recipient of a Master's degree from Columbia University.

O. S. U. and M. I. T. Exchange Professors

A year ago the Massachusetts Institute of Technology instituted a definite policy which can probably be called, considering all angles, the first and only of its kind in this country. This unique policy consists of negotiations for an exchange of professors between several of the departments of the M. I. T. and of the corresponding departments of other universities and colleges.

Its purpose is to enable the younger faculty men to get acquainted with other institutions so that they may obtain a different point of view and exchange ideas. It serves as an opportunity for those teachers to work in a different environment with a different people. This system is comparable to the exchange of American and foreign university professors. The latter most frequently pertains to the older and more experienced educators.

This policy, instituted by the Massachusetts Institute of Technology, this year directly concerns Ohio State University. We have in our midst an exchange professor from that prominent engineering school. He is H. L. Hazen, now acting as Assistant Professor in the Department of Electrical Engineering. Our own Assistant Professor John F. Byrne has been transferred to M. I. T. for the current year. Ohio State's favorable reply to letters received from the Massachusetts Institute of Technology negotiated this exchange.

Let me say a few words about Assistant Professor H. L. Hazen whom you will be pleased to meet and know if such is not already the case. He was born in Illinois and graduated from a Michigan high school. He received the degree of S. B. in 1924, S. M. in 1929, followed by Sc. D. in 1931 from the Massachusetts Institute of Technology. He spent the year following his receipt of the S. B. degree with the General Electric Co. and since that time has been connected with his Alma Mater, first as an instructor and at the present time Assistant Professor.

President and Founder

The absence of Associate Professor Ralph W. Powell of the Mechanics Department has brought about a rather unusual and interesting situation. It has brought together the present national president of Tau Beta Pi and the founder of Alpha Chapter of South Carolina of the same fraternity as fellow faculty members in the same department at Ohio State University.

Professor Ott, chairman of the Department of Mechanics, is the present national president of Tau Beta Pi. The man that has temporarily replaced Mr. Powell is Professor Roy Tucker, founder of the Alpha chapter of South Carolina of Tau Beta Pi.

Assistant Professor Tucker was born in Carthage, Mo. on July 21, 1890. In 1902 he received an A. B. degree from Washburn College at Topeka, Kansas. In 1923 he received a B. S. degree in Railway Civil Engineering at the University of Illinois, followed by the professional degree of C. E. from the same university in 1928, and also a Master of Science degree in Theoretical and Applied Mechanics in 1931.

Mr. Tucker was employed by the Sante Fe Railroad for a period of fourteen years. He was chief engineer in charge of locations and construction, other than steel, in the erection of the Mississippi River Bridge at Fort Madison, Iowa.

He served in the army engineering corps for 27 months, being under the same colonel as Professor Ott. He became a second lieutenant, a first lieutenant and a captain of the A. E. F. in France.

From 1926 to 1929 Professor Tucker taught in the

South Carolina A. & M. college, Clemson College. In 1929 he returned to the University of Illinois to teach as associate in theoretical and applied mechanics. From 1930 to 1932 he held the position of research assistant in the concrete laboratory at Illinois. For the last two years he has been city engineer of Urbana, Illinois, resigning on September 15 to accept a temporary appointment of one year to replace Mr. Powell.

Experiment Station

During the past summer, Mr. Arthur H. Dierker, Research Engineer at the Engineering Experiment Station, and Mr. Rudolph P. Schneider, of the Department of Industrial Engineering, conducted an investigation of the use of silvery iron (high silicon content) in the ferrous metals industry. This project was in cooperation with the Globe Iron Co. of Jackson, Ohio.

The Engineering Experiment Station has made some additions and changes in the staff during the past summer.

Mr. Charles E. Curtis, a Ceramic Engineer, has replaced Dr. M. C. Shaw. Dr. Shaw is now employed by the Orton Memorial Laboratory as Assistant Research Director. This laboratory manufactures pyrometric cones which are used in the manufacture of brick, tile, pottery, and other types of clay wares.

Mr. Robert F. Rea and Mr. Charles Koenig, holders of the newly established Orton Memorial Fellowships in Ceramics, have also joined the staff.

Mr. Henry Zane Schofield's addition to the staff is possible by the cooperation of the National Paving Brick Manufacturers' Association. This organization is assisting in the investigation of joint fillers for brick pavements. This work is under the direction of Dr. Walter C. Rueckel, Research Engineer of the Experiment Station.

Mr. Samuel T. Carpenter, who is a part time member of the staff of Civil Engineers, appears for the first time in the capacity of Research Engineer. He will spend part of his time at the Engineering Station. Mr. Carpenter is working with Prof. G. E. Large on the study of stresses in tall building frames, concerning those stresses that are produced by wind pressure. This investigation is being carried out with the cooperation of the American Institute of Steel Construction.

Mr. Adrian G. Allison, who began his work on the Charles Taylor Sons' Co. fellowship last spring quarter, has returned to continue his fellowship.

R. W. Powell on Leave

Associate Professor Ralph W. Powell, of the Mechanics Department, is now on leave of absence working as an engineer on the Muskingum Valley project.

The Federal Public Works Administration has allotted $22,590,000 to the Muskingum Watershed Conservancy District. This sum was granted for the purpose of constructing dams and reservoirs for water conservation and flood control within the District.

The Muskingum District, which is in Ohio, is comprised of the greater portions of the following counties: Ashland, Wayne, Knox, Holmes, Coshocton, Licking, Muskingum, Tuscarawas, Morgan, Noble, Washington, Harrison, Carrol, and Stark.

The retention of the Muskingum waters will have a mitigating effect on floods in the Ohio and Mississippi valleys. It will also aid in the conservation of natural resources and in the development of agriculture and industry within the District. The reservoirs will also become recreational centers, as they will be stocked with fish.

Mr. Powell's duty as an engineer will be that of computing data for the dams with respect to probabilities of flood and drought. Mr. Powell left the University at the end of the school year last June and is expected to return for the beginning of the academic year 1935. Before coming to this university in 1927 he attended and instructed at Michigan State, Cornell, and Yale.

The Successful Engineer

John Hays Hammond, the internationally famous engineer, once said:

"Among other things, the engineer must acquire ability somewhat as follows:

1. To think clearly, logically, and in proper sequence.
2. To construct and compose mentally.
3. To command by his culture, intelligence and poise, his subordinates.
4. To give orders that can be immediately and properly understood.
5. To translate at sight from non-technical to technical thought and language, and vice versa; to talk about his profession non-technically, so that the layman can perfectly understand him. This is one of the handicaps under which many technical men work; they are so imbued with the jargon of their profession that they are unable to make the business man who employs them understand what they are talking about.
6. To be congenial with all kinds of people outside his profession, to be able to talk intelligently on most subjects, have a good fund of general information, be perfectly at ease everywhere, and have a large acquaintance among cultured people.
7. To understand the principles of economics and good business methods; to know a good deal about finance and the money market, and to be able to see the business man's point of view.

These are the bare essentials to the engineer as a professional man which raise him above the plane of the skilled laborer. Without them he limits the possibility of his professional success by making a definite stopping-place in his progress. Beyond a distinctly subordinate position in which he carries out the technical details of some one else's plan, he will find himself over his depth. It is, therefore, his duty to himself to acquire at least these fundamentals."—*Cleveland Engineering.*